

# Comparisons of Job Characteristics

**Focus Occupation:** [Electrical and Electronics Installers and Repairers, Transportation Equipment \(49-2093\)](#)

**Associated Occupation:** [Electric Motor, Power Tool, and Related Repairers \(49-2092\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

## Knowledge

Similarity of Focus Occupation to Associated Occupation: 78

**Focus Occupation:** Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)

**Associated Occupation:** Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Mechanical	6.8	17.7	12.6	<< Extensive education and/or training may be required
Engineering and Technology	5.7	9.2	11.0	> Current knowledge level is likely sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Skills

Similarity of Focus Occupation to Associated Occupation: 77

**Focus Occupation:** Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)

**Associated Occupation:** Electric Motor, Power Tool, and Related Repairers (49-2092)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Repairing	3.4	14.0	9.2	<< Extensive development of skills in this area may be required
Troubleshooting	4.5	12.6	8.8	<< Extensive development of skills in this area may be required
Quality Control Analysis	5.9	11.9	8.3	<< Extensive development of skills in this area may be required
Equipment Maintenance	3.5	11.5	8.6	<< Extensive development of skills in this area may be required
Equipment Selection	3.3	10.4	6.1	<< Extensive development of skills in this area may be required
Installation	1.7	7.4	3.7	<< Extensive development of skills in this area may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Abilities		Similarity of Focus Occupation to Associated Occupation: 80			
Focus Occupation: Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093) Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)					
Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Finger Dexterity	7.6	13.9	10.2	<<	Extensive improvement in abilities may be required
Manual Dexterity	6.5	12.5	10.3	<	Some improvement in abilities may be required
Visual Color Discrimination	6.4	11.0	8.7	<	Some improvement in abilities may be required
Auditory Attention	5.9	9.8	4.8	<<	Extensive improvement in abilities may be required
Hearing Sensitivity	5.6	9.8	5.6	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	9.7	6.1	<<	Extensive improvement in abilities may be required
Wrist-Finger Speed	3.2	6.2	2.8	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common		Similarity of Focus Occupation to Associated Occupation: 78
Focus Occupation: Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093) Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)		
Work Activities	Exclusivity of Activity	
Determine installation, service, or repair needed	58	
Distinguish colors	44	
Fabricate, assemble, or disassemble manufactured products by hand	11	
Install or replace meters, regulators, or related measuring or control devices	66	
Install/connect electrical equipment to power circuit	57	
Perform safety inspections in industrial, manufacturing or repair setting	32	
Read blueprints	10	
Read schematics	34	
Read technical drawings	7	
Repair or replace electrical wiring, circuits, fixtures, or equipment	49	
Solder electrical or electronic connections or components	55	
Test electrical/electronic wiring, equipment, systems or fixtures	54	
Understand service or repair manuals	40	

Understand technical operating, service or repair manuals	6
Use electrical or electronic test devices or equipment	40
Use hand or power tools	2
Use soldering equipment	44
Use voltmeter, ammeter, or ohmmeter	52

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.

## Tools and Technologies that Both Occupations Have in Common

Similarity of Focus  
Occupation to Associated  
Occupation: n/a

**Focus Occupation: Electrical and Electronics Installers and Repairers, Transportation Equipment (49-2093)**  
**Associated Occupation: Electric Motor, Power Tool, and Related Repairers (49-2092)**

### Tools and Technologies

### Exclusivity

Tools and technology data is unavailable for one or both occupations.

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O\*NET (Occupation Information Network) data.